

## TITLE

### **Device and Methods for Sequential, Regional Delivery of Multiple Cytotoxic Agents and Directed Assembly of Wound Repair Tissues**

## ABSTRACT OF THE DISCLOSURE

5           An implantable delivery system includes a macrostructure formed of  
bioresorbable material selected from a group of alphahydroxy acids and defined to  
include an internal architecture of intercommunicating void spaces. A first cytotoxic  
agent in the preferred form of cisplatin is joined to the macrostructure during formation.  
A microstructure in the preferred form of a blend of high molecular weight hyaluronic  
10 acid conjugated with a second cytotoxic agent in the preferred form of paclitaxel and of  
pure high molecular weight hyaluronic acid is invested in the void spaces. Thus, when  
implanted, the paclitaxel and cisplatin are released sequentially, each initially at high  
level concentrations followed by lower release. Radiotherapy can be begun after the  
release of the paclitaxel has been completed but while the cisplatin is being released.